

IN THE CLAIMS

1. (Original) Method of transmitting signals, e.g. control signals, request signals, interrogation signals etc. to a node in the form of a controllable unit associated with a device, e.g. a controllable device, measuring means, etc. and wherein said controllable unit may be linked to at least one further node by means of a communication bus, at least one of said nodes comprising radio frequency receiving means, said method comprising the steps of

- a) transmitting a signal from a controller using radio frequency transmission means,
- b) reception of said signal by at least said node comprising radio frequency receiving means,
- c) detection of at least part of said signal indicating a destination node, and
- d) retransmittal of said signal or part of said signal by said node comprising radio frequency receiving means to said destination node via said communication bus.

2. (Original) Method according to claim 1, characterized in that that method comprises a procedure for determining a timeslot in which said retransmittal is performed by said node comprising radio frequency receiving means.

3. (Original) Method according to claim 2, characterized in that said procedure for determining a timeslot comprises a random selection of a timeslot.

4. (Currently Amended) Method according to claim 2 ~~or 3~~, characterized in that said signal may be received by at least two nodes comprising radio frequency receiving means and that said retransmittal is performed only by the node for which the earliest occurring timeslot has been selected.

5. (Currently Amended) Method according to ~~one or more of~~ claims 1-4, characterized in that said at least part of said signal indicating a destination node comprises an identification of the destination node, for example an address.

6. (Currently Amended) Method according to ~~one or more of~~ claims 1-5, characterized in that said retransmittal of said received signal is performed by means of a wired communication bus.

7. (Currently Amended) Method according to ~~one or more of~~ claims 1-6, characterized in that said signal is transmitted to said node comprising radio frequency receiving means by means of a wireless radio frequency remote control.

8. (Currently Amended) Method according to ~~one or more of~~ claims 1-7, characterized in that the method further comprises transmittal of a response signal from the destination node, said response signal comprising e.g. an acknowledgement, a request, a measured value etc. and being transmitted via said communication bus and by means of said node having transmitted the signal to the controller having transmitted said signal, e.g. routing the response signal corresponding to the routing of said signal.

9. (Original) System for transmission of signals, e.g. control signals, request signals, interrogation signals etc. to a node in the form of a controllable unit associated with a device, e.g. a controllable device, measuring means, etc. wherein said controllable unit may be linked to at least one further node by means of a communication bus, wherein at least one of said nodes comprises radio frequency receiving means for reception of signals transmitted from at least one controller using radio frequency transmission means comprised in the system and wherein said at least one node comprising radio frequency receiving means for reception of radio frequency signals have means for detection of at least part of said signals indicating a destination node and means for retransmitting of a received signal or information comprised herein via said communication bus.

10. (Original) System according to claim 9, characterized in that said system comprises a plurality of said nodes in the form of controllable units, each associated with a device, and that said system comprises one or more communication buses, each defining a subnet in the system and each being linked to at least one of said nodes comprising radio frequency receiving means, and wherein transmission of signals to and/or from said subnets may be performed by radio frequency transmission means.

11. (Currently Amended) System according to claim 9 ~~or 10~~, characterized in that said nodes comprise identification means, e.g. means for storing an e.g. address, and means for identifying an identification part of a received signal.

12. (Currently Amended) System according to claim 9, ~~10 or 11~~, characterized in that said at least one node comprising radio frequency receiving means comprises means

for initiating a re-transmittal of a received signal or part hereof, e.g. in case of reception of a signal with an identification part different from the identification of node in question.

13. (Currently Amended) System according to ~~one or more of~~ claims 9-12, characterized in that said at least one controller using radio frequency transmission means comprises remote control means for transmission of said signals to one or more of said nodes comprises in the system.

14. (Currently Amended) System according to ~~one or more of~~ claims 9-13, characterized in that said communication bus comprises a communication channel operating by means of wired connections.

15. (Currently Amended) System according to ~~one or more of~~ claims 9-14, characterized in that said at least one of said nodes comprising radio frequency receiving means comprises means for establishing and storing a table comprising identification of destination nodes linked by a communication bus, e.g. comprised in a subnet of the system.

16. (Currently Amended) System according to ~~one or more of~~ claims 9-15, characterized in that said nodes comprise power supply means, preferably connected to a plurality of said nodes by means of a power supply line.

17. (Original) System according to claim 16, characterized in that said communication bus comprises a communication channel operating by means of said power supply line, e.g. by means of a modulation technique, superimposing technique, etc.

18. (Currently Amended) System according to ~~one or more of~~ claims 9-17, characterized in that at least one of said nodes on the subnet comprises control means for performing a general control of simultaneously and/or sequentially performed operations by the devices involved in the system and in relation to other nodes in the system, e.g. in order to prioritise operations in consideration of certain resources such as available power, etc., said control means comprising means for keeping account of available resource(s), means for accepting or denying requests from nodes on the subnet, to which nodes said devices are related, means for aborting current operations of said nodes and/or means for valuating requests and/or current operations in view of a priority value.

19. (Currently Amended) System according to ~~one or more of~~ claims 9-18, characterized in that said radio frequency receiving means may be designed as transceiver means, e.g. in order to respond to received signals by transmitting a response signal comprising e.g. an acknowledgement, a request, a measured value etc.